ASUS H81M-K Motherboard

Specifications:

CPU

Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors

Supports Intel® 22 nm CPU

Supports Intel® Turbo Boost Technology 2.0

* The Intel® Turbo Boost Technology 2.0 support depends on the CPU types.

Chipset

Intel® H81

Memory

2 x DIMMs, Max. 16GB

DDR3 1600/1333/1066 MHz Non-ECC, Un-buffered Memory

Dual Channel Memory Architecture

Supports Intel® Extreme Memory Profile (XMP)

* Hyper DIMM support is subject to the physical characteristics of individual CPUs.

* Due to Intel® chipset limitation, DDR3 1600 MHz and higher memory modules on XMP mode will run at the maximum transfer rate of DDR3 1600 Mhz

Graphics

Integrated Graphics Processor

Multi-VGA output support : DVI/RGB ports

- Supports DVI with max. resolution 1920 x 1200 @ 60 Hz

- Supports RGB with max. resolution 1920 x 1200 @ 60 Hz

Maximum shared memory of 1024 MB

Expansion Slots

1 x PCIe x16

2 x PCIe 2.0 x1

Storage

Intel® H81 chipset :

2 x SATA 6Gb/s port(s), yellow

2 x SATA 3Gb/s port(s), dark brown

Supports Intel® Rapid Start Technology, Intel® Smart Connect Technology *1

LAN

Realtek® 8111G, 1 x Gigabit LAN Controller(s)

Audio

Realtek® ALC887 8-Channel High Definition Audio CODEC *2

- Supports : Jack-detection, Front Panel Jack-retasking

USB Ports

Intel® H81 chipset : 2 x USB 3.0/2.0 port(s) (2 at back panel, blue)

Intel® H81 chipset : 6 x USB 2.0 port(s) (2 at back panel, black, 4 at mid-board)

Operating System Support

Windows® 8

Windows® 7

Back I/O Ports

1 x PS/2 keyboard (purple)

1 x PS/2 mouse (green)

1 x DVI

1 x D-Sub

1 x LAN (RJ45) port(s)

2 x USB 3.0 (blue)

2 x USB 2.0

3 x Audio jack(s)

Internal I/O

2 x USB 2.0 connector(s) support(s) additional 4 USB 2.0 port(s)

2 x SATA 6Gb/s connector(s)

2 x SATA 3Gb/s connector(s)

1 x CPU Fan connector(s) (1 x 4 -pin)

1 x Chassis Fan connector(s) (1 x 4 -pin)

1 x S/PDIF out header(s)

1 x 24-pin EATX Power connector(s)

1 x 4-pin ATX 12V Power connector(s)

1 x Front panel connector(s)

1 x Front panel audio connector(s) (AAFP)

1 x Internal speaker connector(s)

1 x Clear CMOS jumper(s)

Form Factor

uATX Form Factor - 22.6 cm x 17.5 cm

Notes

*1-1: Due to the limitation of the Intel® H81chipset, Intel® Rapid Start Technology can be configured only from the BIOS Setup program.

*1-2: These functions will work depending on the CPU installed.

*2: Use a chassis with HD audio module in the front panel to support an 8-channel audio output.